

Figure 1

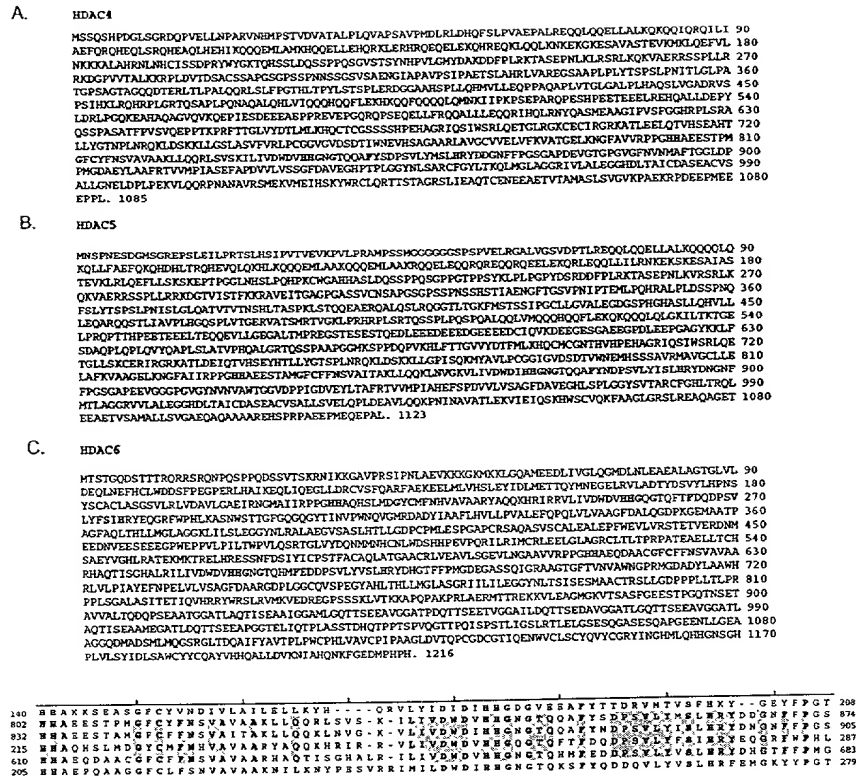


Figure 2

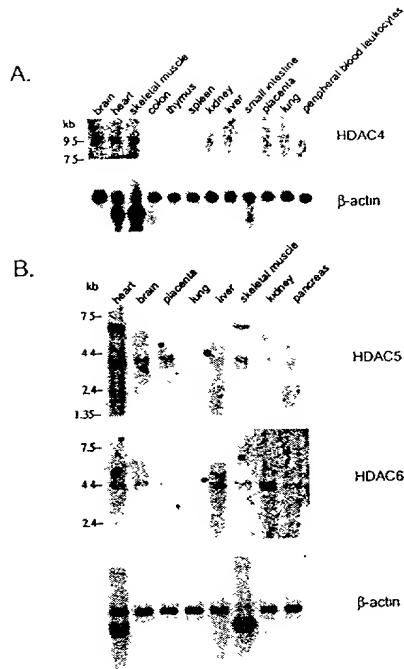
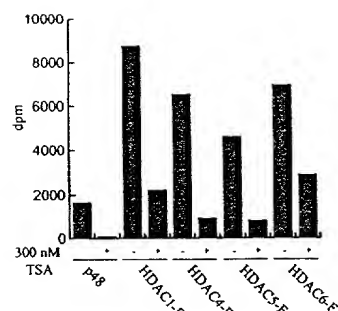
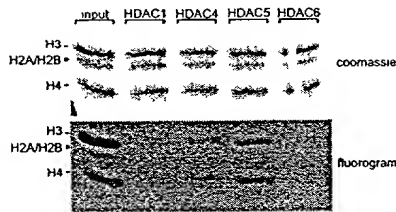


Figure 3

A.



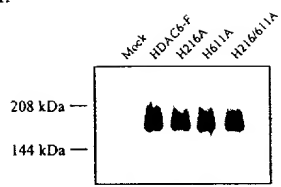
B.



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Figure 4

A.



B.

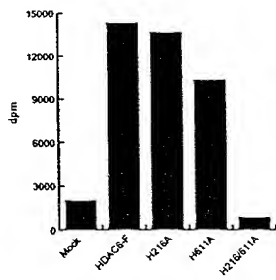


Figure 5

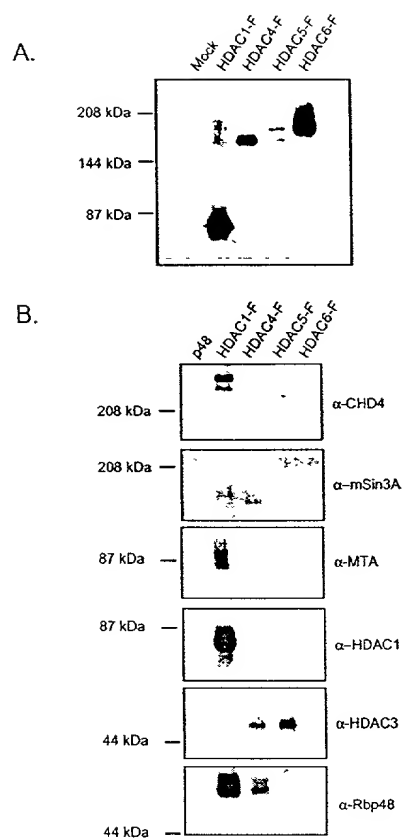


Figure 6

A.

HOMOLOGY REGIONS	INITIAL AA IN HDAC1	CONSENSUS SEQUENCES	EXCEPTIONS
1	99	D(C/T)P(V/I)F N/A	CLASS I CLASS II
2	134	NXXGGXHH A RPPG HHA	CLASS I CLASS II Hos3p ends in C, AcuC ends in G
3	148	SG(F/Y)CXXH G(F/Y)CXXN	CLASS I CLASS II Hda1 ends in S
4	174	D* D*HHG DGY(Q/E) D* D*HHG XGT Q	CLASS I CLASS II
5	193	VX T XSH VX(Y/F)SXH	CLASS I CLASS II
6	225	N* P(M/L)X DGI DD X(S/T)Y N/A	CLASS I CLASS II Hos1p has instead: N* P L K H G C D D N Y
7	298	* G G G G Y * E G G (Y/H)	CLASS I CLASS II

B.

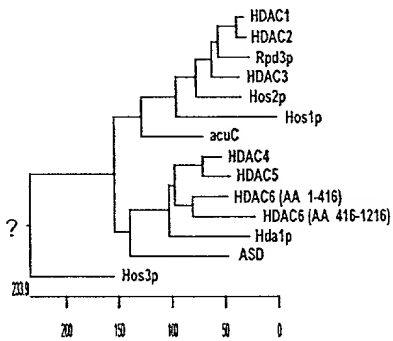


Figure 7

Figure 7A

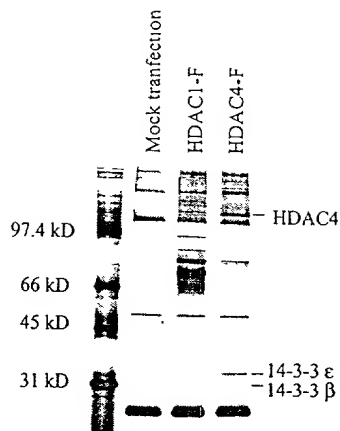


Figure 7B

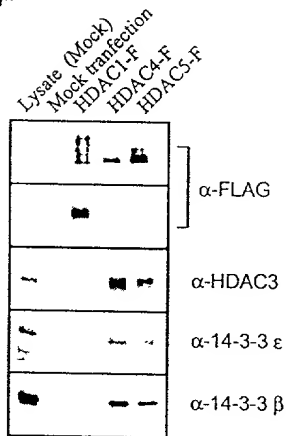


Figure 8

Figure 8A

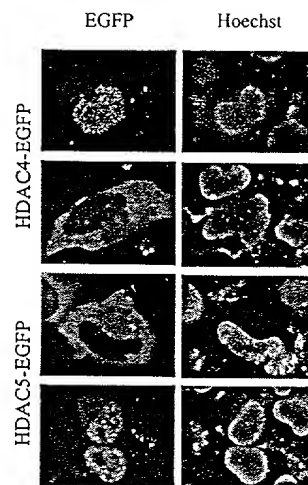


Figure 8B

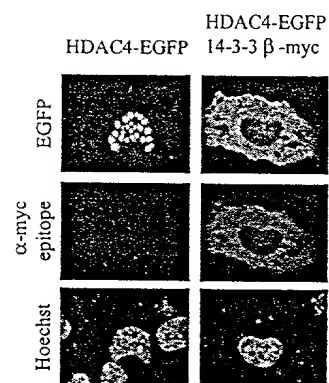


Figure 9

Figure 9A

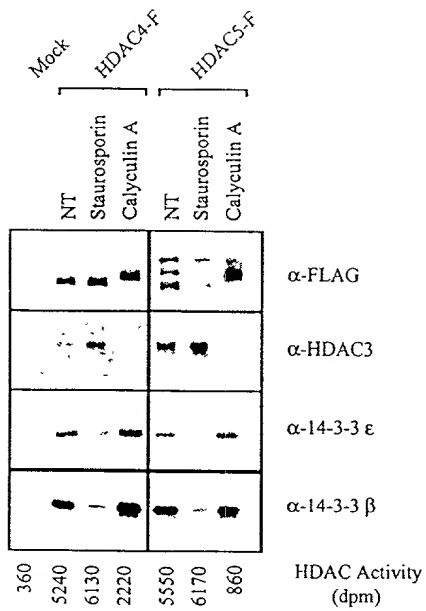


Figure 9B

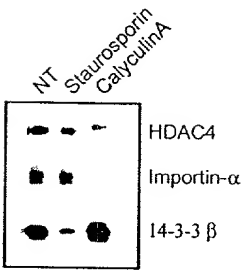


Figure 10

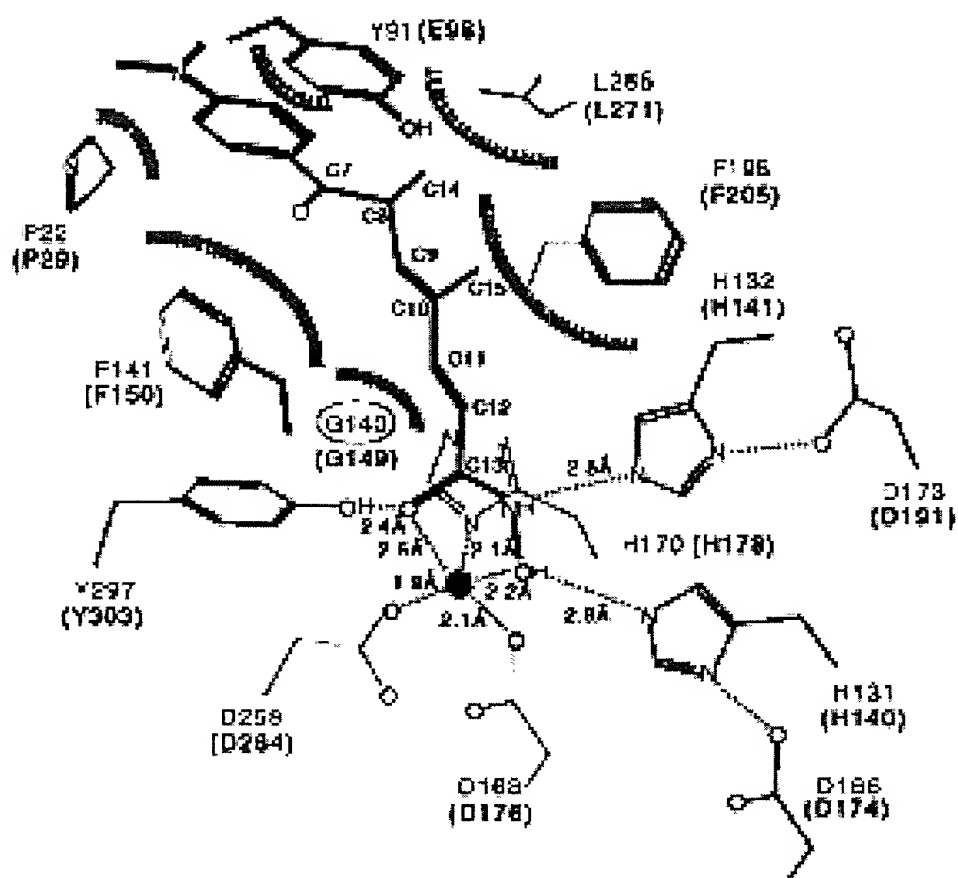


Figure 11

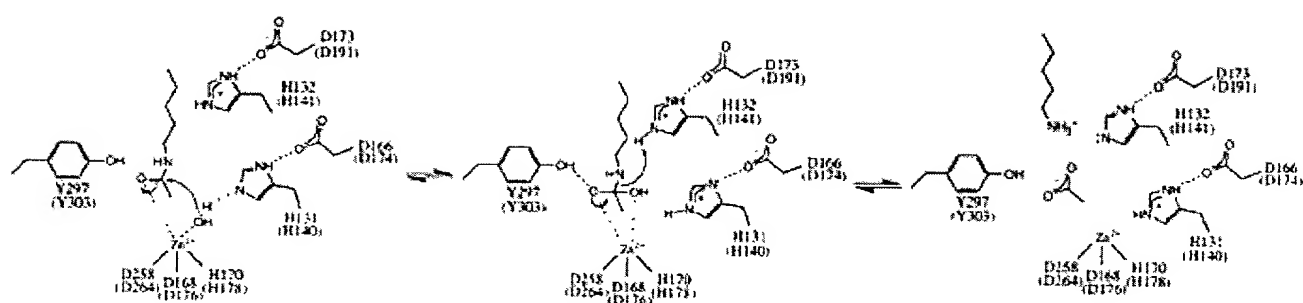


Figure 12

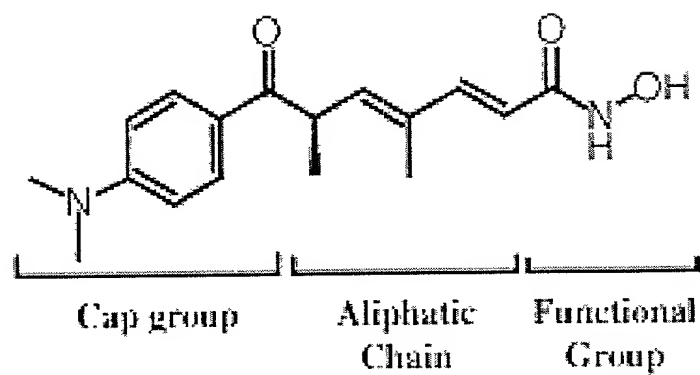
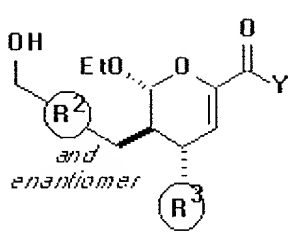
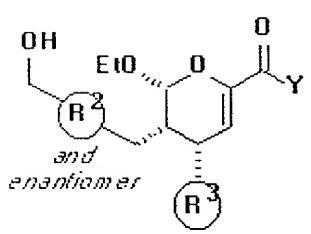
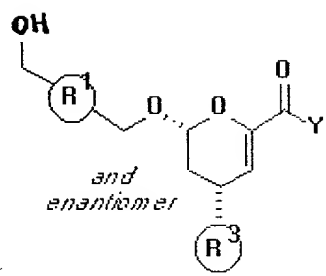
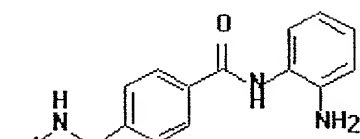
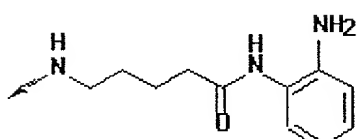
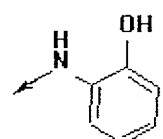
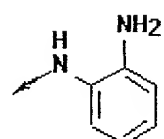


Figure 14

14A



where Y =



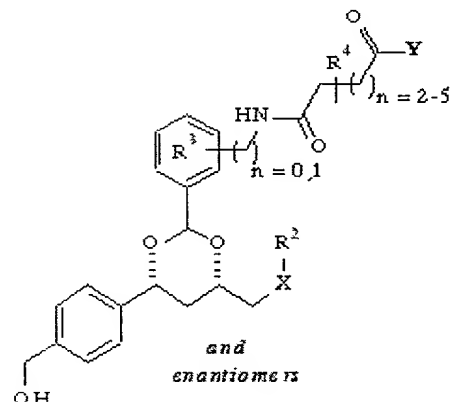
#1

#2

#3

(4 R¹ groups + 2R² groups) \leftrightarrow 10 R³ groups \leftrightarrow 2 (enantiomers) \leftrightarrow 4 amines = 640 compounds

14B



where Y = OH, NHOH, o-aminoaniline

Figure 15



TOSSOED" 28T00860

Figure 16

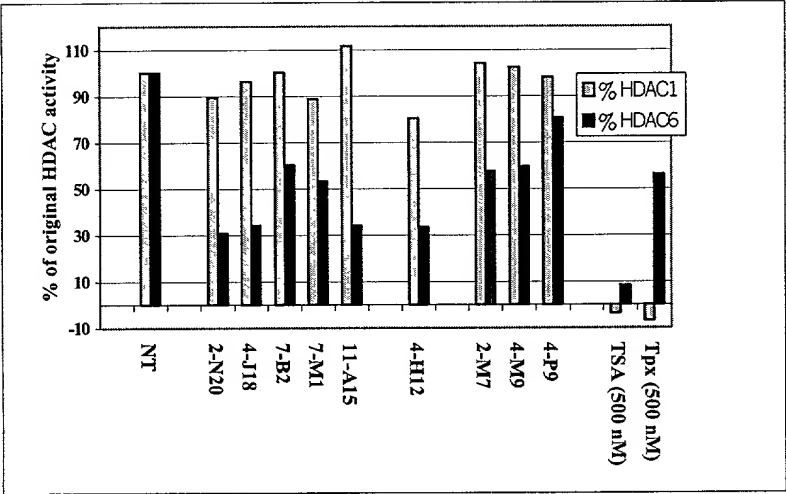


Figure 17

7

